

Title (en)
FILTER INSERT AND PROCESS FOR PRODUCING THE SAME

Title (de)
FILTEREINSATZ UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
CARTOUCHE DE FILTRE ET SON PROCEDE DE PRODUCTION

Publication
EP 0737091 A1 19961016 (DE)

Application
EP 95905028 A 19941230

Priority
• DE 9401558 W 19941230
• DE 4345121 A 19931230
• DE 4447365 A 19941221

Abstract (en)
[origin: US5888262A] PCT No. PCT/DE94/01558 Sec. 371 Date Jun. 28, 1996 Sec. 102(e) Date Jun. 28, 1996 PCT Filed Dec. 30, 1994 PCT Pub. No. WO95/17943 PCT Pub. Date Jul. 6, 1995A filter insert (1A) for a fluid filter with an outer square or hollow cylindrical shape has a plurality of continuous zigzag folded walls (5) made of a fluid-permeable material (2) and provided in the plane of at least part of the folded walls with stiffening embossed depressions (3) and/or projections for keeping the walls folded. The depressions and/or projections of adjacent folded walls are interconnected at least in part and supported on each other. Stiff spacers are provided between the depressions or projections in at least part of their length for interconnecting them and supporting them on each other.

IPC 1-7
B01D 29/01; **B01D 29/07**; **B01D 29/11**; **B01D 29/21**; **B01D 29/33**

IPC 8 full level
B01D 29/07 (2006.01); **B01D 29/01** (2006.01); **B01D 29/11** (2006.01); **B01D 29/21** (2006.01); **B01D 29/33** (2006.01); **B01D 46/10** (2006.01); **B01D 46/24** (2006.01); **B01D 46/52** (2006.01)

CPC (source: EP US)
B01D 29/012 (2013.01 - EP US); **B01D 29/07** (2013.01 - EP); **B01D 29/111** (2013.01 - EP US); **B01D 29/21** (2013.01 - EP); **B01D 46/10** (2013.01 - EP US); **B01D 46/4236** (2013.01 - EP US); **B01D 46/523** (2013.01 - EP US); **Y10S 55/05** (2013.01 - EP US)

C-Set (source: EP US)
1. **B01D 29/012** + **B01D 29/07**
2. **B01D 29/111** + **B01D 29/21**

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)
WO 9517943 A2 19950706; **WO 9517943 A3 19950727**; AT E208225 T1 20011115; AU 1381395 A 19950717; DE 59409942 D1 20011213; EP 0737091 A1 19961016; EP 0737091 B1 20011107; EP 0737091 B9 20021113; ES 2167414 T3 20020516; JP H09507156 A 19970722; US 5888262 A 19990330

DOCDB simple family (application)
DE 9401558 W 19941230; AT 95905028 T 19941230; AU 1381395 A 19941230; DE 59409942 T 19941230; EP 95905028 A 19941230; ES 95905028 T 19941230; JP 51773195 A 19941230; US 66654096 A 19960628